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HUBR-1205 (10201511)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Tischler, et al.
Serial No. : 10/049,750
Filed : February 15, 2002
For : ENZYMATIC SYNTHESIS OF
DEOXYRIBONUCLEOSIDES
Art Unit : 1652
Examiner : Delia Ramirez

November 3, 2005

This correspondence is being sent by facsimile to 1-571-273-8300 with a courtesy copy to the Examiner at 1-571-273-0938, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450 on the date shown below:

Eileen Sheffield
Eileen Sheffield Date: 11/3/05

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT

Sir:

Responsive to the office action mailed October 3, 2005, applicants wish to elect, with traverse, the invention of Group IV (claims 1,27, 33, 46-60, 61-64 and 70-85) directed to a method for in vitro synthesis of deoxyribonucleosides from deoxyribose-1-phosphate (dR1P) and a nucleobase wherein said synthesis is catalyzed by a purine phosphorylase, wherein dR1P is formed from dR5P, wherein dR5P is obtained from condensation of GAP with acetaldehyde,

wherein GAP is generated from FDP, and wherein said deoxyribonucleosides are further reacted with a second nucleobase in a reaction catalyzed by a deoxyribosyl transferase (NdT) comprising SEQ ID NO: 14.

The Examiner requested clarification regarding claim 44. Applicants note that claim 44 was canceled and rewritten as claim 93.


The Examiner also stated that claims 27 and 33 are dependent on canceled claims. Claims 27 and 33 are, however, independent claims.

It is not believed that any additional claim fees are due in view of this response, but any fees that may be due may be charged to deposit account no. 50-0624.

Respectfully submitted,

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By


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